Name:	Test Date:
	Endocrine System Packet
1. Compare and (Contrast the nervous system and endocrine system.
2. What is a horn	none?
3. What is a targe	t cell or target tissue?
4. What is a recep	otor?
5. Explain how di	rect negative feedback works using an example.
6. Explain how th	ne hypothalamus controls the endocrine system. Why is this called the 'master gland?'
7. What are the d	ifferences between RH and IH hormones?
8. What are antag	gonistic, synergist, intergrative and permissive effects of hormones?
-	ystem and the endocrine system are major regulating systems of the body. The nervous system apared to express mail whil the endocrine system is referred to as the pony express. Explain this
10. If hormones t	ravel through the bloodstream, why don't all tissues respond to all hormones?
Answer the follo	owing case studies:
	boy who still displays all the physical characteristics of boys 4-5 years younger than him and show any developmental changes indicating he is becoming an adult.
<u>Hormone(</u>	<u>(s):</u>
Gland who	ere produced:
about receiving a abdominal region	vorced middle-aged man who has also changed jobs and works long hours because he is stressed promotion goes to the doctor because he has been gaining a lot of weight, especially in his . The doctor notices that his face looks swollen and his blood-sugar levels are low. The doctor some activities that will reduce stress and raise his metabolism in order to lose weight.
<u>Hormone(</u>	<u>(s):</u>
Gland who	ere produced:
blood-sugar levels	nes into the ER complaining of a dizzy feeling. Doctors notice the patient has extremely low s. Further testing reveals that the patient has a hypersecretion of which is causing the prescribe and administer doses of the hormone to counteract the body's hypersecretion.
<u>Hormone(</u>	<u>(s):</u>
Gland who	ere produced:

14.	A woman	in her mid-20	s has been	having troub	e falling asleep	Tests reveal	that she has	low levels	of the
horr	none								

Hormone(s):

Gland where produced:

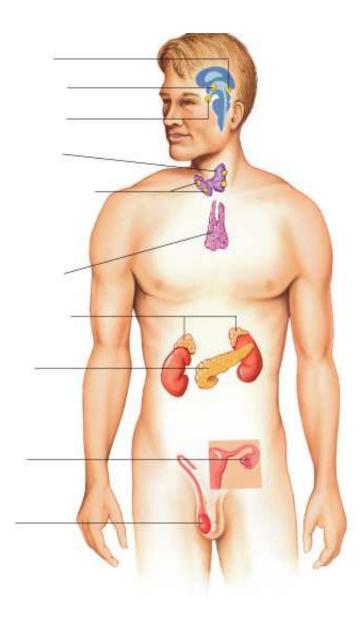
15. A woman brings her child into the doctor to determine the cause of the child's small stature and extremely slow growth rate. There is no hereditary history of dwarfism in the family.

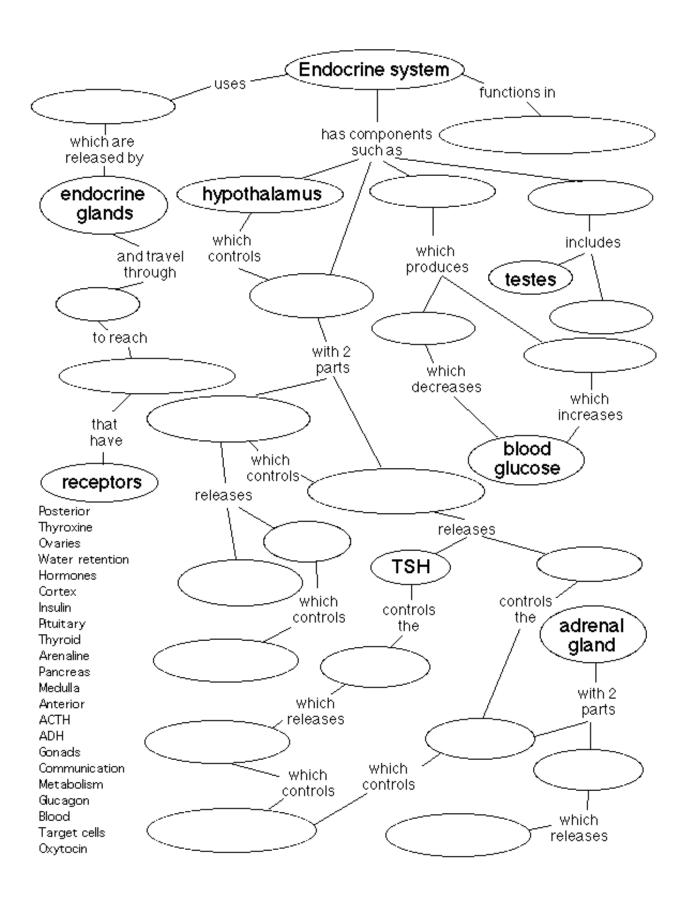
Hormone(s):

Gland where produced:

Identify the following glands and then label on the diagram:

- 16. Located in the throat
- 17. Gland that is largest during youth _____
- 18. Gland associated with blood sugar regulation _____
- 19. Found atop the kidneys ______20. Gland producing male hormones ______
- 21. Gland producing female hormones _____
- 22. Glands found on top of the thyroid _____
- 23. Releases RH and IH targeting the pituitary _____
- 24. regulates sleep cycles _____
- 25. Found within the sphenoid bone _____





Hormone	Gland/ Organ	Target	Effect
1.			Stimulates release of steroid hormones
			by the adrenal glands
2			Induces ovulation
3. Thyroid Stimulating			
hormone			
4 T 11: 1 G .: 1 .:			
4 Follicle Stimulating hormone			
normone			
5			Production of milk
7. Antidiuretic hormone			
7. Antiquatette normone			
8. Calcitonin			
9. T ₃ and T ₄			
10. Oxytocin			
10. Oxytociii			
11		Skin	Stimulates Melanocytes
12. Growth Hormone			
12. Growth Hormone			
13.	Parathyroid		
14.		Most Cells	Increased cardiac activity
15.	Adrenal cortex	Kidneys	
16			01
16.			Sleep cycles
17.	Kidneys		Produces red blood cells
10 T			
18. Testosterone			
19. Estrogen			
20.			Develops and maintains immune
			functions
21.	Ovaries		Moves fertilized eggs
22			Lowers blood sugar
23			Raises blood sugar
24	Kidneys		Stimulates absorption of calcium
25. Renin	Kidneys		
26. RH and IH	Hypothalamus		
20. IXI wild III	11) poularanius		